

TITLE 33
ENVIRONMENTAL QUALITY
Part III. Air

Chapter 1. General Provisions

§111. Definitions

A. When used in these rules and regulations, the following words and phrases shall have the meanings ascribed to them below.

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Coldset Printing—a web offset printing process in which ink is allowed to dry naturally through absorption and evaporation.

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Flexible Package Printing Facility—a facility that uses either rotogravure printing or flexographic printing processes on flexible packaging.

Flexible Packaging—any package or part of a package the shape of which can be readily changed, including, but not limited to, bags, pouches, liners, and wraps utilizing paper, plastic, film, aluminum foil, metalized or coated paper or film, or any combination of these materials.

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Fountain Solution—a solution used on an offset lithographic press to keep the ink from adhering to the non-image areas of the offset lithographic plate.

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Heatset Dryer—a hot air dryer used in heatset lithography to heat the printed substrate and to promote the evaporation of the ink oils.

Heatset Web Offset Lithographic Printing—a type of web offset lithographic

printing process where heat is applied via a drying oven to set and dry the ink.

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Letterpress Printing—relief printing of text and/or images using a press with a “type-high bed,” in which a reversed, raised surface is inked and then pressed into a sheet of paper to obtain a positive, right-reading image.

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Miscellaneous Metal Parts and Products Coating—the coating of miscellaneous metal parts and products in the following categories:

a. – e. ...

f. fabricated metal products (metal-covered doors, frames, etc.); ~~and~~

g. any other category of coated metal products except:

i. those on the specified list in LAC 33:III.2123.C. Table 1,

Items 1-63, 5-7, and 1013-17 of surface coating processes, which are included in the Standard

Industrial Classification Code major group 33 (primary metal industries), major group 34

(fabricated metal products), major group 35 (nonelectrical machinery), major group 36 (electrical

machinery), major group 37 (transportation equipment), major group 38 (miscellaneous

instruments), and major group 39 (miscellaneous manufacturing industries);

ii. coating operations covered under 40 CFR 63, Subpart GG –

National Emissions Standards for Aerospace Manufacturing and Rework Facilities; and

iii. the surface coating of metal parts and products performed

on-site at installations owned or operated by the armed forces of the United States (including the

Coast Guard, and the National Guard of any state) or the National Aeronautics and Space

Administration, or the surface coating of military munitions manufactured by or for the armed

forces of the United States.

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Offset Lithographic Printing—an indirect printing method in which ink is transferred from the lithographic plate to a rubber-covered intermediate “blanket” cylinder, and then from the blanket cylinder to the paper or other printing substrate.

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Sheet-Fed Printing—a process in which individual sheets of paper or other substrates are fed into the press.

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Web Printing—a process where a continuous roll of paper or other substrate is fed into the press, and rewound or cut to size after printing.

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Chapter 21. Control of Emission of Organic Compounds

Subchapter B. ~~Organic Solvents~~Surface Coatings

§2123. Organic Solvents

A. Except as provided in Subsections B and C of this Section, any emissions source ~~using organic solvents having an emission of volatile organic compounds resulting from the application of surface coatings solvents equal to or of more than 3 pounds (1.3 kilograms) per hour or 15 pounds (6.8 kilograms) per day, or an equivalent level of 2.7 tons per 12-month rolling period, shall reduce the control emissions of volatile organic compounds through the use of low solvent coatings, as provided in Subsection C of this Section, or, where feasible, by incorporating one or more of the following control methods:~~

A.1. – B.2. ...

C. Surface Coating Industries. No person may cause, suffer, allow, or permit volatile organic compound (VOC) emissions from the surface coating of any materials affected by this Subsection to exceed the emission limits as specified in this Section.

<u>Table 1. Surface Coating Industries</u>		
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
Affected Facility	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	Kgs. per Liter of Coating as applied (minus water and exempt solvent)
1. Large Appliance Coating Industry		
General, One Component (Baked/Air Dried)	2.3/2.3	0.275/0.275

General, Multi-Component (Baked/Air Dried)	2.3 / 2.8	0.275 / 0.340
Extreme High Gloss (Baked/Air Dried)	3.0 /2.8	0.360 /0.340
Extreme Performance (Baked/Air Dried)	3.0 / <u>3.5</u> <u>2.8</u>	0.360 / <u>0.420</u> <u>0.340</u>
Heat Resistant (Baked/Air Dried)	3.0 / <u>3.5</u> <u>2.8</u>	0.360 / <u>0.420</u> <u>0.340</u>
Metallic (Baked/Air Dried)	3.5 / <u>3.5</u> <u>2.8</u>	0.420 / <u>0.420</u> <u>0.340</u>
Pretreatment Coatings (Baked/Air Dried)	3.5 / <u>3.5</u> <u>2.8</u>	0.420 / <u>0.420</u> <u>0.340</u>
Solar Absorbent (Baked/Air Dried)	3.0 / <u>3.5</u> <u>2.8</u>	0.360 / <u>0.420</u> <u>0.340</u>
2. Surface Coating of Cans		
Sheet Basecoat (<u>E</u> xterior and <u>I</u> nterior) and <u>O</u> ver- <u>V</u> arnish: Two- <u>P</u> iece <u>C</u> an <u>E</u> xterior (<u>B</u> asecoat and <u>O</u> ver- <u>V</u> arnish)	2.8	0.34
Two and <u>T</u> hree- <u>P</u> iece <u>C</u> an <u>I</u> nterior <u>B</u> ody <u>S</u> spray, <u>T</u> wo- <u>P</u> iece <u>C</u> an <u>E</u> xterior <u>E</u> nd (<u>S</u> spray or <u>R</u> oll <u>C</u> oat)	4.2	0.51
Three- <u>P</u> iece <u>C</u> an <u>S</u> ide- <u>S</u> eam <u>S</u> spray	5.5	0.66
End <u>S</u> ealing <u>C</u> ompound	3.7	0.44

3. Surface Coating of Coils		
Prime and T opcoat or S ingle C oat O peration	2.6	0.31
4. Surface Coating of Fabrics		
Fabric Facility	2.9	0.35
Vinyl Coating Line (E xcept Plasticol C oatings)	3.8	0.45
5. Surface Coating of Assembly Line Automobiles and Light Duty Trucks		
Prime application, flashoff area and oven (determined on a monthly basis)	1.2	0.14
Primer surface application flashoff area and oven	2.8	0.34
Topcoat application, flashoff area and oven	2.8	0.34
Final repair application, flashoff area and oven	4.8	0.58
As an alternative to the emission limitation of 2.8 pounds of VOC per gallon of coating applied for the primer surfacer and/or topcoat application, compliance with these emission limitations may be demonstrated by meeting a standard of 15.1 pounds of VOC per gallon of solids deposited.		
65. Surface Coating—Magnet Wire Coating		
Coating Line	1.7	0.20

76. Surface Coating of Metal Furniture		
General, One Component (Baked/Air Dried)	2.3 / 2.3	0.275 / 0.275
General, Multi-Component (Baked/Air Dried)	2.3 / 2.8	0.275 / 0.340
Extreme High Gloss (Baked/Air Dried)	3.0 / 2.8	0.360 / 0.340
Extreme Performance (Baked/Air Dried)	3.0 / 3.5	0.360 / 0.420
Heat Resistant (Baked/Air Dried)	3.0 / 3.5	0.360 / 0.420
Metallic (Baked/Air Dried)	3.5 / 3.5 <u>3.0</u>	0.420 / 0.420 <u>0.360</u>
Pretreatment Coatings (Baked/Air Dried)	3.5 / 3.5 <u>3.0</u>	0.420 / 0.420 <u>0.360</u>
Solar Absorbent (Baked/Air Dried)	3.0 / 3.5	0.360 / 0.420

<u>Table 1. Surface Coating Industries</u>	
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation

	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	<u>Lbs. per</u> <u>Gal. of</u> <u>Solids</u>	Kgs. per Liter of Coating as applied (minus water and exempt solvent)	<u>Kgs. per</u> <u>Liter of</u> <u>Solids</u>
§7. Surface Coating of Miscellaneous Metal Parts and Products				
<u>General, One Component or Multi- Component (Baked/Air Dried)</u>	<u>2.3 / 2.8</u>	4.52 / <u>3.35</u> / 4.52	<u>0.28 / 0.34</u>	0.54 / <u>0.40</u> / 0.54
<u>Camouflage</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Electric Insulating Varnish</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Etching Filler</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Extreme High Gloss (Baked/Air Dried)</u>	<u>3.0 / 3.5</u>	6.67 / <u>5.06</u> / 6.67	<u>0.36 / 0.42</u>	0.80 / <u>0.61</u> / 0.80
<u>Extreme Performance (Baked/Air Dried)</u>	<u>3.0 / 3.5</u>	6.67 / <u>5.06</u> / 6.67	<u>0.36 / 0.42</u>	0.80 / <u>0.61</u> / 0.80
<u>Heat Resistant (Baked/Air Dried)</u>	<u>3.0 / 3.5</u>	6.67 / <u>5.06</u> / 6.67	<u>0.36 / 0.42</u>	0.80 / <u>0.61</u> / 0.80
<u>High Performance Architectural</u>	<u>3.5</u>	5.06 <u>6.67</u>	<u>0.42</u>	0.61 <u>0.80</u>
<u>High Temperature</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Metallic</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>

<u>Military Specification (Baked/Air Dried)</u>	<u>2.3 / 2.8</u>	4.52 / <u>3.35</u> / <u>4.52</u>	<u>0.28 / 0.34</u>	0.54 / <u>0.40</u> / <u>0.54</u>
<u>Mold Seal</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Pan Baking</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Prefabricated Architectural, One Component or Multi-Component (Baked/Air Dried)</u>	<u>2.3 / 3.5</u>	6.67 / <u>3.35</u> / <u>6.67</u>	<u>0.28 / 0.42</u>	0.80 / <u>0.40</u> / <u>0.80</u>
<u>Pretreatment Coatings</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Repair and Touch Up (Baked/Air Dried)</u>	<u>3.0 / 3.5</u>	<u>Does not apply</u>	<u>0.36 / 0.42</u>	<u>Does not apply</u>
<u>Silicone Release</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Solar Absorbent (Baked/Air Dried)</u>	<u>3.0 / 3.5</u>	6.67 / <u>5.06</u> / <u>6.67</u>	<u>0.36 / 0.42</u>	0.80 / <u>0.61</u> / <u>0.80</u>
<u>Vacuum Metalizing</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Drum Coating, New, Exterior</u>	<u>2.8</u>	<u>4.52</u>	<u>0.34</u>	<u>0.54</u>
<u>Drum Coating, New, Interior</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Drum Coating, Reconditioned, Exterior</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Drum Coating, Reconditioned, Interior</u>	<u>4.2</u>	<u>9.78</u>	<u>0.50</u>	<u>1.17</u>
<u>Clear Coat</u>		<u>4.3</u>		<u>0.52</u>

Air or force air dried items (not oven dried)	3.5		0.42	
Frequent color change and/or large numbers of colors applied, or first coat on untreated ferrous substrate	3.0		0.36	
Outdoor or harsh exposure or extreme performance characteristics	3.5		0.42	
No or infrequent color change, or small number of colors applied:				
a. Powder Coating	0.4	<u>Does not apply</u>	0.05	<u>Does not apply</u>
b. Other	3.0		0.36	
These limits do not apply to operations covered in 1-7 or 10 herein or exterior coating of fully assembled aircraft, auto refinishing, and auto customizing topcoating (processing less than 35 vehicles per day).				
<u>8. Surface Coating of Miscellaneous Plastic Parts and Products</u>				
<u>General, One Component</u>	<u>2.3</u>	<u>3.35</u>	<u>0.28</u>	<u>0.40</u>
<u>General, Multi-Component</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Electric Dissipating Coatings and Shock-Free Coatings</u>	<u>6.7</u>	<u>74.7</u>	<u>0.80</u>	<u>8.96</u>

<u>Extreme Performance</u>	<u>3.5</u> <u>(2-pack</u> <u>coatings)</u>	<u>6.67</u> <u>(2-pack</u> <u>coatings)</u>	<u>0.42</u> <u>(2-pack</u> <u>coatings)</u>	<u>0.80</u> <u>(2-pack</u> <u>coatings)</u>
<u>Metallic</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Military Specification</u>	<u>2.8 (1 pack)</u> <u>3.5 (2 pack)</u>	<u>4.52 (1 pack)</u> <u>6.67 (2 pack)</u>	<u>0.34</u> <u>(1pack)</u> <u>0.42</u> <u>(2pack)</u>	<u>0.54</u> <u>(1pack)</u> <u>0.80</u> <u>(2pack)</u>
<u>Mold Seal</u>	<u>6.3</u>	<u>43.7</u>	<u>0.76</u>	<u>5.24</u>
<u>Multi-Colored Coatings</u>	<u>5.7</u>	<u>25.3</u>	<u>0.68</u>	<u>3.04</u>
<u>Optical Coatings</u>	<u>6.7</u>	<u>74.7</u>	<u>0.80</u>	<u>8.96</u>
<u>Vacuum Metalizing</u>	<u>6.7</u>	<u>74.7</u>	<u>0.80</u>	<u>8.96</u>
9. Surface Coating of Automotive/Transportation Plastic Parts				
a. High Bake Coatings–Interior and Exterior Parts				
<u>Flexible Primer</u>	<u>4.5</u>	<u>11.58</u>	<u>0.54</u>	<u>1.39</u>
<u>Non-Flexible Primer</u>	<u>3.5</u>	<u>6.67</u>	<u>0.42</u>	<u>0.80</u>
<u>Base Coat</u>	<u>4.3</u>	<u>10.34</u>	<u>0.52</u>	<u>1.24</u>
<u>Clear Coat</u>	<u>4.0</u>	<u>8.76</u>	<u>0.48</u>	<u>1.05</u>
<u>Non-Base Coat/Clear Coat</u>	<u>4.3</u>	<u>10.34</u>	<u>0.52</u>	<u>1.24</u>
b. Low Bake/Air Dried Coatings–Exterior Parts				
<u>Primer</u>	<u>4.8</u>	<u>13.80</u>	<u>0.58</u>	<u>1.66</u>
<u>Base Coat</u>	<u>5.0</u>	<u>15.59</u>	<u>0.60</u>	<u>1.87</u>

<u>Clear Coat</u>	<u>4.5</u>	<u>11.58</u>	<u>0.54</u>	<u>1.39</u>
<u>Non-Base Coat/Clear Coat</u>	<u>5.0</u>	<u>15.59</u>	<u>0.60</u>	<u>1.87</u>
<u>c. Low Bake/Air Dried Coatings– Interior Parts</u>	<u>5.0</u>	<u>15.59</u>	<u>0.60</u>	<u>1.87</u>
<u>d. Touch Up and Repair Coatings</u>	<u>5.2</u>	<u>17.72</u>	<u>0.62</u>	<u>2.13</u>
<u>For red, yellow, and black auto coatings, except touch up and repair coatings, the limit is determined by multiplying the appropriate limit in Item 9 of this Table by 1.15.</u>				
<u>10. Surface Coating of Business Machine Plastic Parts</u>				
<u>Primer</u>	<u>2.9</u>	<u>4.80</u>	<u>0.35</u>	<u>0.57</u>
<u>Topcoat</u>	<u>2.9</u>	<u>4.80</u>	<u>0.35</u>	<u>0.57</u>
<u>Texture Coat</u>	<u>2.9</u>	<u>4.80</u>	<u>0.35</u>	<u>0.57</u>
<u>Fog Coat</u>	<u>2.2</u>	<u>3.14</u>	<u>0.26</u>	<u>0.38</u>
<u>Touch Up and Repair</u>	<u>2.9</u>	<u>4.80</u>	<u>0.35</u>	<u>0.57</u>
<u>11. Surface Coating of Pleasure Craft</u>				
<u>Extreme High Gloss Topcoat</u>	<u>4.1</u>	<u>9.2</u>	<u>0.49</u>	<u>1.10</u>
<u>High Gloss Topcoat</u>	<u>3.5</u>	<u>6.7</u>	<u>0.42</u>	<u>0.80</u>
<u>Pretreatment Wash Primer</u>	<u>6.5</u>	<u>55.6</u>	<u>0.78</u>	<u>6.67</u>
<u>Finish Primer/Surfacer</u>	<u>3.5</u>	<u>6.7</u>	<u>0.42</u>	<u>0.80</u>
<u>High Build Primer Surfacer</u>	<u>2.8</u>	<u>4.6</u>	<u>0.34</u>	<u>0.55</u>
<u>Aluminum Substrate Antifoulant Coating</u>	<u>4.7</u>	<u>12.8</u>	<u>0.56</u>	<u>1.53</u>

<u>Other Substrate Antifoulant Coating</u>	<u>2.8</u>	<u>4.4</u>	<u>0.33</u>	<u>0.53</u>
<u>All Other Pleasure Craft Surface Coatings (for Metal or Plastic)</u>	<u>3.5</u>	<u>6.7</u>	<u>0.42</u>	<u>0.80</u>

<u>Table 1. Surface Coating Industries</u>		
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
<u>Affected Facility</u>	Lbs. per Gal. of Coating as applied (minus water and exempt solvent)	Kgs. per Liter of Coating as applied (minus water and exempt solvent)
<u>12. Surface Coating of Motor Vehicle Materials</u>		
<u>Motor Vehicle Cavity Wax</u>	<u>5.4</u>	<u>0.65</u>
<u>Motor Vehicle Sealer</u>	<u>5.4</u>	<u>0.65</u>
<u>Motor Vehicle Deadener</u>	<u>5.4</u>	<u>0.65</u>
<u>Motor Vehicle Gaskets/Gasket- Sealing Material</u>	<u>1.7</u>	<u>0.20</u>
<u>Motor Vehicle Underbody Coating</u>	<u>5.4</u>	<u>0.65</u>
<u>Motor Vehicle Trunk Interior Coating</u>	<u>5.4</u>	<u>0.65</u>
<u>Motor Vehicle Bedliner</u>	<u>1.7</u>	<u>0.20</u>
<u>Motor Vehicle Lubricating Wax/Compound</u>	<u>5.8</u>	<u>0.70</u>

<p><u>The limits in Items 7-12 of this Table do not apply to operations covered in Items 1-6 or 13-17 herein, or to aerosol coatings, architectural coatings, or automobile refinish coatings.</u></p>		
<p>9<u>13</u>. <u>Factory Surface Coatings of Flat Wood Paneling with VOC Emissions Greater Than 15 Pounds Per Day Before Controls</u></p>		
All Inks, Coatings, and Adhesives	2.1	0.25
<p>10<u>14</u>. <u>Surface Coatings for Marine Vessels and Oilfield Tubulars and Ancillary Oilfield Equipment</u></p>		
<p>a. Except as otherwise provided in this Section, a person shall not apply a marine coating with a VOC content in excess of the following limits:</p>		
Baked Coatings	3.5	0.42
Air-Dried, Single-Component Alkyd or Vinyl Flat or Semi-Gloss Finish Coatings	3.5	0.42
Two Component Coatings	3.5	0.42
<p>b. Except for the parishes of Ascension, Calcasieu, East Baton Rouge, Iberville, Livingston, Pointe Coupee, and West Baton Rouge, in which the VOC limitations in Subparagraph C.10<u>Item 14.a</u> of this Section<u>Table</u> may not be exceeded, specialty marine coatings and coatings on oilfield tubulars and ancillary oilfield equipment with a VOC content not in excess of the following limits may be applied:</p>		
Heat Resistant	3.5	0.42
Metallic Heat Resistant	4.42	0.53
High Temperature (Fed. Spec. TT-P-28)	5.41	0.65

Pre-Treatment Wash Primer	6.5	0.78
Underwater Weapon	3.5	0.42
Elastomeric Adhesives With 15 Percent <u>by</u> Weight Natural or Synthetic Rubber	6.08	0.73
Solvent-Based Inorganic Zinc Primer	5.41	0.65
Pre-Construction and Interior Primer	3.5	0.42
Exterior Epoxy Primer	3.5	0.42
Navigational Aids	3.5	0.42
Sealant for Wire-Sprayed Aluminum	5.4	0.648
Special Marking	4.08	0.49
Tack Coat (Epoxies)	5.08	0.61
Low Activation Interior Coating	4.08	0.49
Repair and Maintenance Thermoplastic	5.41	0.65
Extreme High Gloss Coating	4.08	0.49
Antenna Coating	4.42	0.53
Antifoulant	3.66	0.44
High Gloss Alkyd	3.5	0.42

Anchor Chain Asphalt Varnish (Fed. Spec. TT-V-51)	5.2	0.62
Wood Spar Varnish (Fed. Spec. TT-V-119)	4.1	0.492
Dull Black Finish Coating (DOD-P-15146)	3.7	0.444
Tank Coatings (DOD-P-23236)	3.5	0.42
Potable Water Tank Coating (DOD-P-23236)	3.7	0.444
Flight Deck Markings (DOD-C-24667)	4.2	0.504
Vinyl Acrylic Top Coats	5.4	0.648
Antifoulant Applied to Aluminum Hulls	4.5	0.55

<u>Table 1. Surface Coating Industries</u>		
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
	<u>kgKgs. VOC/kgKgs. Solids</u> <u>(#Lbs. VOC/#Lbs. Solids)</u>	<u>kgKgs. VOC/kgKgs. Coating</u> <u>(#Lbs. VOC/#Lbs. Coating)</u>
15. Surface Coating of Paper, Film, Foil, Pressure-Sensitive Tape, and Labels Paper, Film, and Foil	0.40	0.08

Pressure_Sensitive Tape and Labels	0.20	0.067
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<u>Table 1. Surface Coating Industries</u>		
<u>Affected Facility</u>	Daily Weighted Average VOC Emission Limitation	
	<u>Lbs. per Gal. of Deposited Solids (minus water and exempt solvent)</u>	<u>Kgs. per Liter of Deposited Solids (minus water and exempt solvent)</u>
<u>16. Surface Coating of Assembly Line Automobiles and Light Duty Trucks</u>		
<u>Primer-Surfacer Operations (Including Application Area, Flashoff Area, and Oven)</u>	<u>12.0</u>	<u>1.44</u>
<u>Topcoat Operations (Including Application Area, Flashoff Area and Oven)</u>	<u>12.0</u>	<u>1.44</u>
<u>Final Repair Operations (Including Flashoff Area and Oven)</u>	<u>4.8</u>	<u>0.58</u>
<u>Combined Primer-Surfacer and Topcoat Operations</u>	<u>12.0</u>	<u>1.44</u>

<u>Electrodeposition Primer Operations (Including Application Area, Spray/Rinse Stations, and Curing Oven)</u>	<u>When Solids Turnover Ratio is $R_T \geq 0.16$</u>	<u>When $0.040 \leq R_T < 0.160$</u>	<u>When $R_T < 0.040$</u>
	<u>0.084 kgs./liter (0.7 lbs./gal.) coating solids applied</u>	<u>$0.084 \times 350^{0.160-R_T}$ kgs./liter (0.084 x 350^{0.160-R_T} lbs./gal.) coating solids applied</u>	<u>No VOC emission limit</u>

<u>Table 1. Surface Coating Industries</u>		
<u>Affected Facility</u>	<u>Daily Weighted Average VOC Emission Limitation</u>	
	<u>Lbs. VOC per Gal. of Adhesive or Adhesive Primer (minus water and exempt compounds)</u>	<u>Grams VOC per Liter of Adhesive or Adhesive Primer (minus water and exempt compounds)</u>
<u>17. General and Specialty Adhesive Application Processes</u>		
<u>a. General Adhesive Application Process</u>		
<u>Reinforced Plastic Composite</u>	<u>1.7</u>	<u>200</u>
<u>Flexible Vinyl</u>	<u>2.1</u>	<u>250</u>

<u>Metal</u>	<u>0.3</u>	<u>30</u>
<u>Porous Material (Except Wood)</u>	<u>1.0</u>	<u>120</u>
<u>Rubber</u>	<u>2.1</u>	<u>250</u>
<u>Wood</u>	<u>0.3</u>	<u>30</u>
<u>Other Substrates</u>	<u>2.1</u>	<u>250</u>
<u>b. Specialty Adhesive Application Processes</u>		
<u>Ceramic Tile Installation</u>	<u>1.1</u>	<u>130</u>
<u>Contact Adhesive</u>	<u>2.1</u>	<u>250</u>
<u>Cove Base Installation</u>	<u>1.3</u>	<u>150</u>
<u>Floor Covering Installation</u> <u>(Indoor)</u>	<u>1.3</u>	<u>150</u>
<u>Floor Covering Installation</u> <u>(Outdoor)</u>	<u>2.1</u>	<u>250</u>
<u>Floor Covering Installation</u> <u>(Perimeter Bonded Sheet Vinyl)</u>	<u>5.5</u>	<u>660</u>
<u>Metal to Urethane/Rubber Molding</u> <u>or Casting</u>	<u>7.1</u>	<u>850</u>
<u>Motor Vehicle Adhesive</u>	<u>2.1</u>	<u>250</u>
<u>Motor Vehicle Weather Strip</u> <u>Adhesive</u>	<u>6.3</u>	<u>750</u>
<u>Multipurpose Construction</u>	<u>1.7</u>	<u>200</u>
<u>Plastic Solvent Welding (ABS)</u>	<u>3.3</u>	<u>400</u>

<u>Plastic Solvent Welding (Except ABS)</u>	<u>4.2</u>	<u>500</u>
<u>Sheet Rubber Lining Installation</u>	<u>7.1</u>	<u>850</u>
<u>Single-Ply-Roof Membrane Installation/Repair (Except EPDM)</u>	<u>2.1</u>	<u>250</u>
<u>Structural Glazing</u>	<u>0.8</u>	<u>100</u>
<u>Thin Metal Laminating</u>	<u>6.5</u>	<u>780</u>
<u>Tire Repair</u>	<u>0.8</u>	<u>100</u>
<u>Waterproof Resorcinol Glue Application</u>	<u>1.4</u>	<u>170</u>
<u>c. Adhesive Primer Application Processes</u>		
<u>Motor Vehicle Glass Bonding Primer</u>	<u>7.5</u>	<u>900</u>
<u>Plastic Solvent Welding Adhesive Primer</u>	<u>5.4</u>	<u>650</u>
<u>Single-Ply Roof Membrane Adhesive Primer</u>	<u>2.1</u>	<u>250</u>
<u>Other Adhesive Primer</u>	<u>2.1</u>	<u>250</u>

<u>Table 1. Surface Coating Industries</u>
<u>18. Fiberglass Boat Manufacturing Materials</u>
All fiberglass boat manufacturing operations shall comply with all requirements of 40 CFR Part 63, Subpart VVVV, as incorporated by reference in LAC 33:III.5122, if total VOC emissions from

<u>all fiberglass boat manufacturing operations are more than 15 pounds (6.8 kilograms) per day.</u>		
<u>For this material —</u>	<u>And this application method</u> <u>==</u>	<u>This weighted average monomer VOC content (weight percent) limit is —</u>
<u>Production resin</u>	<u>Atomized (spray)</u>	<u>28</u>
<u>Production resin</u>	<u>Nonatomized</u>	<u>35</u>
<u>Pigmented gel coat</u>	<u>Any method</u>	<u>33</u>
<u>Clear gel coat</u>	<u>Any method</u>	<u>48</u>
<u>Tooling resin</u>	<u>Atomized</u>	<u>30</u>
<u>Tooling resin</u>	<u>Nonatomized</u>	<u>39</u>
<u>Tooling gel coat</u>	<u>Any method</u>	<u>40</u>

D. Control Techniques

1. If add-on controls such as incinerators or vapor recovery systems are used to comply with the emission limitation requirements, in terms of pounds per gallon of solids as applied (determined in accordance with Paragraph D.8 of this Section), the volatile organic compound capture and abatement system shall be at least 80 percent efficient overall (85 percent for industrial cleaning solvents, and miscellaneous industrial adhesive operations; and 90 percent for factory surface coating of flat wood paneling, surface coating of metal furniture, large appliance coating, surface coating of miscellaneous metal parts and products, surface coating of miscellaneous plastic parts and products, surface coating of automotive/transportation plastic parts, surface coating of business machine plastic parts, surface coating of pleasure craft, surface coating of paper, film, foil, pressure-sensitive tape, and labels, and surface coating of motor vehicle materials). All surface coating facilities shall submit to the Office of Environmental Services, for approval, design data for each capture system and emission control device that is proposed for use. The effectiveness of the capture system (i.e., capture efficiency) shall be determined using the procedure specified in Paragraph E.6 of this Section.

2. – 3. ...

4. Compliance with the ~~alternative~~ emission limits established in Table 1,

~~Item 16 of in Paragraph~~ Subsection C.5 of this Section of ~~15.1 pounds of VOC per gallon of solids deposited~~ shall be determined in accordance with EPA's "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light Duty Truck Topcoat Operations", EPA ~~450/3-88-018~~ 453/R-08-002, ~~December, 1988~~ September, 2008.

5. ...

6. Surface coating facilities on any property in Ascension, Calcasieu, East Baton Rouge, Iberville, Livingston, Pointe Coupee, and West Baton Rouge parishes that when controlled have a potential to emit, at maximum production, a combined weight (total from the property) of VOCs less than 10 tons in any consecutive 12 calendar months are exempt from the provisions of Subsection C of this Section. Surface coating facilities on any property in parishes other than Ascension, Calcasieu, East Baton Rouge, Iberville, Livingston, Pointe Coupee, and West Baton Rouge that when uncontrolled have a potential to emit a combined weight of VOCs less than 100 pounds (45 kilograms) in any consecutive 24-hour period or 10 tons in any consecutive 12 calendar months are exempt from the provisions of Subsection C of this Section. Any surface coating facility with VOC emissions of less than or equal to 15 pounds (6.8 kilograms) per day is exempt from the provisions of ~~Paragraphs C, Table 1, Items 1, 87, and 415~~ of Subsection C of this Section.

7. – 9. ...

10. Control techniques for use of industrial cleaning solvents include:

- a. covering open containers and used applicators;
- b. minimizing air circulation around cleaning operations;
- c. properly disposing of used solvent and shop towels;
- d. implementing equipment practices that minimize emissions (e.g.,

keeping arts cleaners covered, maintaining cleaning equipment to repair solvent leaks, etc.); and

e. employing cleaning material with a VOC content limit of 50 grams VOC per liter (0.42 lb./gal.), or a composite vapor pressure of 8 millimeters of mercury at 20 degrees Celsius.

11. Cleaning operations in the course of the following categories are excluded from the requirements of Paragraph D.10 of this Section:

- i. aerospace coating;
- ii. wood furniture coating;
- iii. application of coatings in shipbuilding and ship repair;
- iv. flexible packaging printing;
- v. lithographic printing;
- vi. letterpress printing;
- vii. flat wood paneling coating;
- viii. large appliance coating;
- ix. metal furniture coating;
- x. paper, film and foil coating;
- xi. plastic parts coating;
- xii. miscellaneous metals parts coating;
- xiii. fiberglass boat manufacturing;
- xiv. application of miscellaneous industrial adhesives; and
- xv. auto and light-duty truck assembly coating.

12. VOC content and vapor pressure limits applicable in cleaning activities in fiberglass boat manufacturing are as follows:

a. VOC cleaning solvents for routine application equipment cleaning shall contain no more than 5 percent VOC by weight, or have a composite vapor pressure of no more than 0.50 millimeters of mercury at 20 degrees Celsius.

b. Non-VOC solvents shall be used to remove cured resin and gel coat from application equipment.

13. When applying adhesives, one of the following are the only allowable adhesive application methods must be used:

a. electrostatic spray;

b. HVLP spray;

c. flow coat;

d. roll coat or hand application, including non-spray application methods similar to hand application or mechanically powered caulking gun, brush, or direct hand application;

e. dip coat (including electrodeposition);

f. airless spray;

g. air-assisted airless spray; and

h. other adhesive application methods capable of achieving a transfer efficiency equivalent to or better than that achieved by HVLP spraying.

E. – F. ...

G. ~~Mandatory Work Practices for Surface Coating of Flat Wood Paneling.~~ The owner/operator of any facility performing factory surface coating ~~of flat wood paneling~~ shall comply with the following mandatory work practices:

G.1. – I. ...

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Air Quality Division, LR 13:741 (December 1987), amended LR 16:119 (February 1990), amended by the Office of Air Quality and Radiation Protection, Air Quality Division, LR 17:654 (July 1991), LR 18:1122 (October 1992), LR 22:340 (May 1996), LR 22:1212 (December 1996), LR 23:1678 (December 1997), LR 24:23 (January 1998), LR 24:1285 (July 1998), amended by the Office of Environmental Assessment, Environmental Planning Division, LR 25:1240 (July 1999), LR 26:2453 (November 2000), LR 28:1765 (August 2002), LR 30:746 (April 2004), amended by the Office of the Secretary, Legal Affairs Division, LR 31:2440 (October 2005), LR 33:2086 (October 2007), LR 35:1102 (June 2009), LR 36:**.